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ATTY. DOCKET NO.
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SERIAL NO.
10/045,953

APPLICANT: J e W. CACKA et al.

FILING DATE:
December 12, 2002

GROUP
1744

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
92	1,313,490	08/19/19	Larson	1	1	
92	1,355,037	10/05/20	Dziuk	1	1	
92	1,517,320	12/02/24	Stoddart	1	1	
92	1,703,642	2/26/29	Sticht	1	1	
92	1,832,519	11/17/31	Wheat et al.	1	1	
92	2,016,597	10/08/35	Drake	1	1	
92	2,044,863	06/23/36	Sticht	1	1	
92	2,158,738	05/16/39	Baker et al.	1	1	
92	2,206,726	07/02/40	Lasater	1	1	
92	2,246,523	06/24/41	Kulik	1	1	
92	2,278,365	03/31/42	Daniels	1	1	
92	2,282,700	05/12/42	Bobbhoff	1	1	
92	2,709,227	05/24/55	Foley et al.	1	1	
92	2,734,139	02/07/56	Murphy	1	1	
92	2,806,235	09/17/57	Carstairs et al.	1	1	
92	2,875,458	03/03/59	Tsuda	1	1	
92	2,917,758	12/22/59	Held et al.	1	1	
92	2,931,371	4/5/60	Petitta	1	1	
92	2,977,614	04/04/61	Demanuele	1	1	
92	3,104,405	09/24/63	Perrinjaquet	1	1	
92	3,106,216	10/8/63	Kirby	1	1	
92	D-197,048	12/1963	Troy	1	1	
92	3,145,404	08/25/64	Fiedler	1	1	
92	D-199,560	11/1964	Thompson	1	1	
92	3,159,859	12/08/64	Rasmussen	1	1	
92	D-199,893	12/1964	Bond et al.	1	1	
92	3,183,538	05/18/65	Hubner	1	1	
92	D-202,873	11/1965	Husted	1	1	
92	D-204,127	3/1966	Syvertson	1	1	
92	3,270,416	9/6/66	Massa	1	1	
92	3,316,576	05/02/67	Urbrush	1	1	
92	3,335,443	8/15/67	Parisi et al.	1	1	
92	3,346,748	10/10/67	McNair	1	1	
92	3,358,309	12/19/67	Richardson	1	1	
92	3,375,820	4/2/68	Kuris et al.	1	1	
92	3,430,279	03/04/69	Hintze	1	1	
92	3,466,689	09/16/69	Aurelio et al.	1	1	
92	3,472,045	10/14/69	Nelsen et al.	1	1	
92	3,472,247	4/14/69	Borsum et al.	1	1	
92	3,474,799	10/28/69	Cappello	1	1	
92	3,535,726	10/27/70	Sawyer	1	1	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
44	3,538,359	11/03/70	Barowski	-	-	
44	3,552,022	1/5/71	Axelsson	-	-	
44	3,559,292	2/2/71	Weissman	-	-	
44	3,563,233	2/16/71	Bodine	-	-	
44	3,588,936	6/29/71	Duve	-	-	
44	3,642,344	02/15/72	Corker	-	-	
44	3,651,576	03/28/72	Massa	-	-	
44	3,660,902	5/9/72	Axelsson	-	-	
44	3,672,378	6/27/72	Silverman	-	-	
44	3,676,218	07/11/72	Sawyer	-	-	
44	3,759,274	9/18/73	Warner	-	-	
44	3,760,799	9/25/73	Crowson	-	-	
44	3,809,977	5/7/74	Balamuth et al	-	-	
44	3,831,611	8/27/74	Hendricks	-	-	
44	3,840,932	10/15/74	Balamuth et al.	-	-	
44	3,882,364	05/06/75	Wright et al.	-	-	
44	3,902,510	9/2/75	Roth3	-	-	
44	3,903,601	9/9/75	Anderson et al.	-	-	
44	3,967,617	7/6/76	Krolik	-	-	
44	3,978,852	9/7/76	Annoni	-	-	
44	3,980,906	9/14/76	Kuris et al.	-	-	
44	4,004,344	1/25/77	Gold et al.	-	-	
44	4,005,722	2/1/77	Bragg	-	-	
44	4,008,728	2/22/77	Sanchez	-	-	
44	4,019,522	4/26/77	Elbreder	-	-	
44	4,048,723	9/20/77	Thorup	-	-	
44	4,064,883	12/27/77	Oldham	-	-	
44	4,133,339	1/9/79	Naslund	-	-	
44	4,177,434	12/04/79	Ida	-	-	
44	4,192,035	3/11/80	Kuris	-	-	
44	4,205,664	6/3/80	Baccialon	-	-	
44	4,219,619	8/26/80	Zarow	-	-	
44	4,235,253	11/25/80	Moore	-	-	
44	4,255,693	03/10/81	Keidl	-	-	
44	Re. 30,536	3/3/81	Perdreux, Jr.	-	-	
44	4,271,382	06/02/81	Maeda et al.	-	-	
44	4,271,384	06/02/81	Beiling et al.	-	-	
44	4,275,363	06/23/81	Mishiro et al.	-	-	
44	4,289,486	9/15/81	Sargeant	-	-	
44	4,307,740	12/29/81	Florindez et al.	-	-	
44	4,319,377	3/16/82	Tarrson et al.	-	-	
44	4,319,595	3/16/82	Ulrich	-	-	
44	4,326,547	4/27/82	Verplank	-	-	
44	4,326,548	4/27/82	Wagner	-	-	
44	4,331,422	05/25/82	Heyman	-	-	
44	4,333,197	6/8/82	Kuris	-	-	
44	4,338,957	7/13/82	Meibauer	-	-	
44	D-265,515	7/20/82	Levin	-	-	



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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>YH</i>	4,347,839	9/7/82	Youngclaus, Jr.	-	-	
<i>YH</i>	4,353,141	10/1982	Teague, Jr. et al.	-	-	
<i>YH</i>	4,381,478	04/26/83	Saijo et al.	-	-	
<i>YH</i>	4,395,665	07/26/83	Buchas	-	-	
<i>YH</i>	4,397,327	8/9/83	Hadary	-	-	
<i>YH</i>	D-272,565	2/7/84	Levine	-	-	
<i>YH</i>	4,429,997	02/07/84	Matthews	-	-	
<i>YH</i>	4,432,729	02/1984	Fattaleh	-	-	
<i>YH</i>	4,434,806	3/6/84	Givens	-	-	
<i>YH</i>	4,458,702	7/10/84	Grollmund	-	-	
<i>YH</i>	4,505,678	3/19/85	Andersson	-	-	
<i>YH</i>	4,522,355	06/11/85	Moran	-	-	
<i>YH</i>	4,562,413	12/31/85	Mishiro et al.	-	-	
<i>YH</i>	4,564,794	01/14/86	Kilen et al.	-	-	
<i>YH</i>	4,576,190	3/18/86	Youssef	-	-	
<i>YH</i>	4,577,649	3/25/86	Shimenkov	-	-	
<i>YH</i>	4,605,025	8/12/86	McSpadden	-	-	
<i>YH</i>	4,608,019	8/26/86	Kumabe et al	-	-	
<i>YH</i>	4,617,718	10/21/86	Andersson	-	-	
<i>YH</i>	4,634,376	1/6/87	Mossle et al	-	-	
<i>YH</i>	4,698,869	10/13/87	Mierau et al.	-	-	
<i>YH</i>	D-294,885	03/29/1988	Mollenhoff	-	-	
<i>YH</i>	4,787,847	11/29/88	Martin et al.	-	-	
<i>YH</i>	4,791,940	12/20/88	Hirshfeld et al.	-	-	
<i>YH</i>	4,811,445	3/14/89	Lagieski et al	-	-	
<i>YH</i>	4,820,153	4/11/89	Romhild et al	-	-	
<i>YH</i>	4,820,154	4/11/89	Romhild et al.	-	-	
<i>YH</i>	4,832,063	5/23/89	Smole	-	-	
<i>YH</i>	D301,770	6/20/89	Bethany	-	-	
<i>YH</i>	4,871,396	10/03/89	Tsujita et al.	-	-	
<i>YH</i>	4,873,496	10/10/89	Ohgihara et al.	-	-	
<i>YH</i>	4,880,382	11/14/89	Moret et al.	-	-	
<i>YH</i>	4,887,052	12/12/89	Murakami et al.	-	-	
<i>YH</i>	4,913,133	4/3/90	Tichy	-	-	
<i>YH</i>	4,922,936	5/8/90	Buzzi et al.	-	-	
<i>YH</i>	4,991,249	02/12/91	Suroff	-	-	
<i>YH</i>	4,995,403	2/26/91	Beckman et al.	-	-	
<i>YH</i>	5,000,684	3/19/91	Odrich	-	-	
<i>YH</i>	5,002,487	3/26/91	Tichy	-	-	
<i>YH</i>	5,016,660	5/21/91	Boggs	-	-	
<i>YH</i>	5,050,625	9/24/91	Siekmann	-	-	
<i>YH</i>	D-321,285	11/05/1991	Hirabayashi	-	-	
<i>YH</i>	5,067,223	11/26/91	Bruno	-	-	
<i>YH</i>	5,069,621	12/3/91	Paradis	-	-	
<i>YH</i>	5,071,348	12/10/91	Woog	-	-	
<i>YH</i>	5,072,477	12/1991	Pai	-	-	
<i>YH</i>	5,094,256	3/10/92	Barth	-	-	
<i>YH</i>	5,095,470	03/10/92	Oka et al.	-	-	



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YA	5,100,321	3/31/92	Coss et al.	/	/	
YA	5,123,841	6/23/92	Millner	/	/	
YA	5,125,837	6/30/92	Warrin et al.	/	/	
YA	5,133,661	7/28/92	Euvrard	/	/	
YA	5,138,733	8/18/92	Bock	/	/	
YA	5,150,492	09/29/92	Suroff	/	/	
YA	5,165,131	11/24/92	Staar	/	/	
YA	5,169,313	12/8/92	Kline	/	/	
YA	5,170,809	12/15/92	Imai et al.	/	/	
YA	5,174,314	12/29/92	Charatan	/	/	
YA	5,180,363	01/19/93	Idemoto et al.	/	/	
YA	5,183,063	2/2/93	Ringle et al.	/	/	
YA	5,189,751	03/02/93	Giuliani et al.	/	/	
YA	5,198,732	03/30/93	Morimoto	/	/	
YA	5,224,500	7/6/93	Stella	/	/	
YA	5,226,206	07/13/93	Davidovitz et al.	/	/	
YA	5,236,358	8/17/93	Sieffert	/	/	
YA	5,247,716	9/28/93	Bock	/	/	
YA	5,253,382	10/19/93	Beny	/	/	
YA	5,261,430	11/1993	Mochel	/	/	
YA	5,263,218	11/23/93	Giuliani et al.	/	/	
YA	5,289,604	3/1994	Kressner	/	/	
YA	5,293,886	3/15/94	Czapor	/	/	
YA	5,294,896	03/15/94	Kjellander, deceased et al.	/	/	
YA	5,305,492	04/26/94	Giuliani et al.	/	/	
YA	5,309,590	05/10/94	Giuliani et al.	/	/	
YA	5,311,632	05/17/94	Center	/	/	
YA	5,323,796	6/28/94	Urso	/	/	
YA	5,341,534	08/30/1994	Serbinski et al.	/	/	
YA	5,369,831	12/16/94	Bock	/	/	
YA	5,378,153	01/03/95	Giuliani et al.	/	/	
YA	5,383,242	01/24/95	Bigler et al.	/	/	
YA	5,393,229	2/28/95	Ram	/	/	
YA	5,404,608	4/1995	Hommann	/	/	
YA	5,406,664	4/1995	Hukuba	/	/	
YA	5,406,965	4/18/95	Levine	/	/	
YA	D-358,713	5/1995	Perry	/	/	
YA	5,411,041	5/2/95	Ritter	/	/	
YA	5,412,827	05/09/1995	Muller et al.	/	/	
YA	5,419,346	5/30/95	Tipp	/	/	
YA	5,419,703	5/30/95	Warrin et al.	/	/	
YA	5,467,494	11/21/1995	Muller et al.	/	/	
YA	5,482,466	1/9/96	Haynes	/	/	
YA	5,496,256	3/5/96	Bock et al.	/	/	
YA	D370,125	5/28/96	Craft et al.	/	/	
YA	5,546,624	8/20/96	Bock	/	/	
YA	5,573,020	11/12/96	Robinson	/	/	



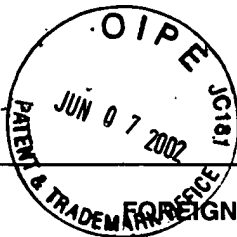
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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
JA	5,579,786	12/3/96	Wolk et al.	1	1	
JA	5,606,984	3/4/97	Gao	1	1	
JA	5,613,259	03/25/97	Craft et al.	1	1	
JA	5,618,275	4/8/97	Bock	1	1	
JA	5,697,117	12/16/1997	Craft	1	1	
JA	D-382,407	08/19/1997	Craft et al.	1	1	
JA	5,700,146	12/23/97	Kucar	1	1	
JA	5,709,233	1/20/98	Boland et al.	1	1	
JA	5,718,667	2/17/98	Sugimoto et al.	1	1	
JA	5,738,575	4/14/98	Bock	1	1	
JA	5,787,908	8/4/98	Robinson	1	1	
JA	5,827,064	10/27/98	Bock	1	1	
JA	5,855,216	1/5/99	Robinson	1	1	
JA	5,896,615	04/27/99	Zaksenberg	1	1	
JA	5,899,693	5/4/99	Himeno et al.	1	1	
JA	D-410,787	06/08/1999	Barre et al.	1	1	
JA	5,927,300	7/27/99	Boland et al.	1	1	
JA	5,931,170	8/3/99	Wu	1	1	
JA	5,944,033	8/31/99	Robinson	1	1	
JA	6,000,083	12/14/1999	Blaustein et al.	1	1	
JA	6,035,476	03/14/2000	Underwood et al.	1	1	
JA	D-423,784	05/02/2000	Joulin	1	1	
JA	6,095,811	8/1/00	Stearns	1	1	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
JA	243224	4/10/10	Germany	1	1		
JA	429447	9/22/11	France	1	1		
JA	1,171,337	01/23/59	France	1	1		
JA	899,618	06/27/62	France	1	1		
JA	435,553	10/31/67	Switzerland	1	1		
JA	33,753	03/29/78	Japan	1	1		
JA	609,238	02/28/79	Switzerland	1	1		
JA	DE 17 66 651 C2	12/3/81	Germany	1	1		
JA	3431481	2/1986	Germany	1	1		
JA	8626725	5/21/87	Germany	1	1		
JA	DE 37 36 308 A1	7/27/89	Germany	1	1		
JA	0 354 352	2/1990	EPO	1	1		
JA	DE 41 42 404 C2	7/2/91	Germany	1	1		
JA	WO 91/19437	12/26/91	PCT	1	1		
JA	WO 92/10146	06/25/92	PCT	1	1		
JA	WO 92/16160	10/01/92	PCT	1	1		
JA	WO 93/15628	08/19/93	PCT	1	1		



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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
+		DE 42 23 195 A1	1/20/94	Germany	-	-		
+		DE 42 23 196 A1	1/20/94	Germany	-	-		
+		DE 42 26 659 A1	2/1994	Germany	-	-		
+		WO 94/04093	3/1994	WIPO	-	-		
+		DE 43 09 078 A1	9/1994	Germany	-	-		
+		EP O 661 025 B1	7/5/95	EPO	-	-		
+		WO 95/33419	12/14/1995	PCT	-	-		
+		WO 95/02375	1/26/95	PCT	-	-		
+		DE 297 15 234 U1	12/4/97	Germany	-	-		
+		WO 01/28452 A1	04/26/01	PCT	-	-		
+		WO 01/45582 A1	6/28/01	PCT	-	-		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Sonex International: Brushing with the Ultima- The World's Only Dual-Frequency Ultrasonic Toothbrush, July 28, 1999, published at Sonipic.com.
+	Teledyne Water Pik "Plaque Control 3000" plaque removal instrument (Jul. 1991).
+	American Dentrionics Incorporated "Soniplak" sonic plaque removal system (May 1993).
+	Design of a Toothbrush, page 361, Danish Official Design Gazette, published 5/16/1997.
+	Teledyne Water Pik "Sensonic" Toothbrush, sales brochure (at least as early as Sep. 1994).

EXAMINER

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